"STERULES"
(MARTINDALE)

SAVORY & MOORE LTD.
61 WELBECK STREET
LONDON — W.1

22500835228

"STERULE"

BRAND

SOLUTIONS FOR INJECTION

and

FOR INHALATION

MARTINDALE)

A Reference List with Therapeutic Notes

SAVORY & MOORE LTD.,
61, Welbeck Street,
London, W.1.

Telephones :
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"An Aristocrat among the Merchants
A House of Distinction that has stood the test of Time"

STATUTORY REGULATIONS

Orders for poisons can only be executed in accordance with the requirements of the Pharmacy and Poisons Act and the Dangerous Drugs Acts.

Preparations subject to these regulations are marked thus :-

"Part 1" poisons - -	**P.1.**
"First Schedule" poisons -	**S.1.**
"Fourth Schedule" poisons -	**S.4.**
Dangerous Drugs Acts - -	**D.**

Orders by telephone or telegram are supplied on the understanding that a signed order complying with these regulations in full reaches us within 24 hours of receipt of an emergency order.

PURCHASE TAX

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"STERULE"

BRAND

Sterilized Solutions in Ampoules for Injection

(MARTINDALE)

MEDICAMENT	Packing	List Price
		s. d.
"A.B.A." Anæsthetic Solution *vide* **BENZOCAINE COMPOUND**		
Acetyl-β-methylcholine chloride *vide* **"AMECHOL"** in Medical Price List.		
ADRENALINE TARTRATE (Injectio Adrenalinæ B.P.)		
0·5 ml. ampoules	Box of 6	3 0
	,, 12	5 6
	,, 100	36 0
1 ml. ampoules	Box of 6	3 0
	,, 12	5 6
	,, 100	36 0
P.I.		
Constricts the blood vessels, raises blood pressure and stimulates the heart and sympathetic nervous system. Hypodermically to relieve asthmatic spasm, to control anaphylaxis from serum injections, to reduce swelling in giant urticaria and in shock and collapse. Given intravenously in an extreme emergency. Intracardiac injections in resuscitation.		

MEDICAMENT	Packing	List Price
		s. d.
ADRENALINE IN OIL		
1/32 grain (2 mg.) in 15 minims (1 ml.)	Box of 6 ,, 12	3 3 6 0
P.I. A slower but more prolonged action than aqueous solutions. Useful in asthmatic spasm and angioneurotic œdema. Given only by intramuscular injection.		
Aethanolaminæ Oleatis *vide* **"MONETHAN"**		
AMINOPHYLLINE **(Injectio Theophyllinæ cum Aethylenediamina B.P.)**		
4 grains (0·25 gm.) in 150 minims (10 ml.) for intravenous injection	Box of 6 ,, 12 ,, 100	6 6 12 6 87 6
8 grains (0·5 gm.) in 30 minims (2 ml.) for intramuscular injection	Box of 6 ,, 12 ,, 100	6 6 12 6 87 6
A diuretic, antispasmodic and cardiovascular agent. In cardiac and nephrotic œdema and bronchial asthma. In the prophylaxis and treatment of angina pectoris; in acute left ventricle failure, including paroxysmal nocturnal dyspnœa, Cheyne-Stokes respiration, etc.		
AMPHETAMINE SULPHATE **(Injectio Amphetaminæ Sulphatis N.F.)** 1/6 grain (10 mg.) in 15 minims (1 ml.)	Box of 6 ,, 12	4 6 8 6
A potent sympathomimetic agent and central nervous system stimulant. Whilst the oral administration of amphetamine is generally regarded as the method of choice, under certain circumstances the parenteral route may be desirable, it should be borne in mind, however, that the therapeutic effects and side-reactions may be enhanced by intravenous administration.		

MEDICAMENT	Packing	List Price
		s. d.
"ANOCAIN" Local Anæsthetic Injection Solution *vide* **BENZOCAINE COMPOUND**		
Aqua Destillata *vide* **DISTILLED WATER**		
Arsenic and Iron *vide* **FERRUGINOUS COMPOUND**		
ATROPINE SULPHATE **(Injectio Atropinæ Sulphatis B.P.)**		
1/100 grain (0·0006 gm.) in 15 minims (1 ml.)	Box of 6	**3 0**
	,, 12	**5 6**
	,, 100	**36 0**
1/60 grain (0·001 gm.) in 15 minims (1 ml.)	Box of 6	**3 0**
	,, 12	**5 6**
	,, 100	**36 0**
P.I. Atropine stimulates the respiratory centre and increases the heart rate. Widely employed preoperatively before induction of anæsthesia.		
Atropine and Morphine *vide* **MORPHINE and ATROPINE**		
"B.A.B.A.N." Anæsthetic Solution *vide* **BENZOCAINE COMPOUND**		

MEDICAMENT	Packing	List Price
		s. d.
BENZOCAINE COMPOUND **(Injectio Benzocainæ Composita N.F.)**		
5 ml. ampoules	Box of 6 ,, 12 ,, 100	**6 6** **12 6** **87 6**
10 ml. ampoules	Box of 6 ,, 12 ,, 100	**9 6** **18 0** **126 0**
P.I. An oil-soluble anæsthetic solution for rectal anæsthesia in anal fissure, pruritus ani and minor rectal operations. Also advocated in painful states such as fibrositis and certain forms of neuralgia. Further details on request.		
BENZYL SALICYLATE COMPOUND (Laughton Scott) An oil-soluble salicylate compound. Local chemotherapy in chronic rheumatism. Details of technique *vide* B.M.J. (1943) 2:510 *Details of packings see under Bulk Injection Solutions in Rubber-capped Bottles.*		
BISMUTH METAL INJECTION **(Injectio Bismuthi B.P.)**		
3 grains (0·2 gm.) in 15 minims (1 ml.)	Box of 6 ,, 12 ,, 100	**3 6** **6 6** **45 0**
Bismuth preparations have now largely replaced mercurials as adjuncts to arsenicals in antisyphilitic treatment. Metallic Bismuth is injected intramuscularly in doses of 0·15 to 0·20 gm. with a total of not less than 2·0 gms. during the treatment.		

MEDICAMENT	Packing	List Price
		s. d.
BISMUTH OXYCHLORIDE **(Injectio Bismuthi Oxychloridi B.P.)** 3 grains (0·2 gm.) in 30 minims (2 ml.) An aqueous suspension of an insoluble bismuth salt is preferred by many, particularly in syphilology.	Box of 6 ,, 12 ,, 100	**4 0** **7 6** **52 6**
BISMUTH SALICYLATE **(Injectio Bismuthi Salicylatis B.P.)** 2 grains (0·12 gm.) in 20 minims (1·2 ml.) By intramuscular injection, 0·6 to 1·2 ml. (10-20 minims). The therapeutic effect of Bismuth is not entirely dependent upon the amount of Bismuth, but also on the rate of absorption and penetration. It is for this reason that suspensions in oil are frequently preferred.	Box of 6 ,, 12 ,, 100	**4 0** **7 6** **52 6**
Cacodylate Compound *vide* **FERRUGINOUS COMPOUND**		
CAFFEINE SODIUM BENZOATE **(Injectio Caffeinæ et Sodii Benzoatis B.P.)** 3¾ grains (0·25 gm.) in 15 minims (1 ml.) A stimulant to the central nervous system. Hypodermically in coma, shock, collapse under anæsthesia and poisoning from narcotic or organic hypnotics. Given intravenously in desperate cases.	Box of 6 ,, 12 ,, 100	**3 6** **6 6** **45 0**

MEDICAMENT	Packing	List Price
		s. d.
CALCIUM CHLORIDE		
10% 5 ml.	Box of 6	4 6
	,, 12	8 6
Increases coagulability of the blood. By intramuscular or intravenous injection in hæmorrhagic conditions. Also in irritant skin conditions, chilblains and other calcium deficiency states.		
CALCIUM GLUCONATE 10% **(Injectio Calcii Gluconatis B.P.)**		
5 ml. ampoules	Box of 6	5 3
	,, 12	9 9
	,, 100	58 6
10 ml. ampoules	Box of 6	7 6
	,, 12	14 3
	,, 100	85 6
For use in the prevention and treatment of calcium deficiency. In skeletal decalcification; in allergic states such as urticaria, angio-neurotic œdema, asthma, hay fever, etc. For symptomatic relief of persistent pruritus; to relieve hypocalcemic tetany or calcium loss due to lactation and pregnancy, etc. By intramuscular or intravenous injection.		
Camphor in Ether *vide* **CURSCHMANN'S SOLUTION**		
CAMPHOR IN OIL		
1½ grains (0·1 gm.) in 15 minims (1 ml.)	Box of 6	3 0
	,, 12	5 6
	,, 100	38 0
3 grains (0·2 gm.) in 15 minims (1 ml.)	Box of 6	3 0
	,, 12	5 6
	,, 100	38 0
As a stimulant for patients *in extremis*. Hypodermically in heart failure, cardio-vascular diseases, etc.		

MEDICAMENT	Packing	List Price
		s. d.
CAMPHOR, GUAIACOL AND IODINE 1 ml. ampoules Rheumatoid arthritis and articular fibrositis, other than post-infective gouty and gonorrhœal forms, well treated by a series of intramuscular injections.	Box of 6 ,, 12	**4 0** **7 6**
CARBACHOL **(Injectio Carbacholi B.P.)** 1/240 grain (0·25 mg.) in 15 minims (1 ml.) **S.I.** A powerful parasympathomimetic drug having a more direct effect on the gastro-intestinal system. By subcutaneous injection to relieve post-operative intestinal atony and urinary retention. *see also* "MORYL" brand Carbachol in Medical Price List.	Box of 6 ,, 12 ,, 100	**2 3** **4 0** **28 6**
"CICATRICINE" brand **Thiosinamine Compound** 1 ml. ampoules 2 ml. ampoules As a cicatrix resolvent it is indicated in the treatment of scars, adhesions, cicatrices, keloids, strictures and Dupuytren's contracture. Special brochure, giving fuller details, available on request.	Box of 6 ,, 12 Box of 6 ,, 12	**3 6** **6 6** **4 6** **8 6**
CONGO RED 1% 10 ml. ampoules Intravenously as a hæmostatic. Effective in pulmonary and renal hæmorrhage. 10 ml. of a 1% solution increases the number of red blood corpuscles, blood platelets and the amount of fibrinogen.	Box of 6 ,, 12	**6 6** **12 6**

MEDICAMENT	Packing	List Price
		s. d.
CURSCHMANN'S CAMPHOR SOLUTION		
1 ml. ampoules	Box of 6	4 0
	,, 12	7 6
	,, 100	52 6
Now preferred by many to Camphor in Oil (q.v.) being more prompt in action.		
DEXTROSE SOLUTION		
10% 5 ml. ampoules	Box of 6	4 6
	,, 12	8 6
	,, 100	59 6
10 ml. ampoules	Box of 6	5 6
	,, 12	10 6
	,, 100	73 6
20% 5 ml. ampoules	Box of 6	4 6
	,, 12	8 6
	,, 100	59 6
10 ml. ampoules	Box of 6	5 6
	,, 12	10 6
	,, 100	73 6
20 ml. ampoules	Box of 6	8 0
	,, 12	15 6
50% 5 ml. ampoules	Box of 6	5 6
	,, 12	10 6
	,, 100	73 6
10 ml. ampoules	Box of 6	6 6
	,, 12	12 6
	,, 100	87 6
25 ml. ampoules	each	2 3
50 ml. ampoules	each	3 3

MEDICAMENT	Packing	List Price
		s. d.
Dextrose solutions, administered intravenously, are a rapid means of increasing blood volume and pressure as well as being a valuable nutrient for the treatment of vascular collapse, surgical shock and wasting diseases. In the acute fevers, pneumonia, recurrent vomiting, hæmatemesis, and after gastric operations, Dextrose intramuscularly or intravenously, serves as a nutrient when sufficient food cannot be taken by mouth. Along with Insulin therapy in the treatment of diabetes, Dextrose injections, in a 10% solution, are essential should symptoms of ketosis or coma develop. Hypoglycæmia promptly relieved by an intravenous injection of a 20% to 50% solution. Dextrose is often necessary to ensure an adequate supply of carbohydrates prior to prolonged operations or to avert or treat delayed chloroform poisoning and poisoning by organic arsenicals, cinchophen and carbon tetrachloride.		
DEXTROSE, GLYCERIN and PHENOL **(P_2G Sclerosing Solution)** For the injection treatment of varicose veins. This particular solution is advocated by some of our leading surgeons. *Details of packings see under Bulk Injection Solutions in Rubber-capped Bottles.*		
DIAMORPHINE HYDROCHLORIDE		
1/12 grain (0·005 gm.) in 15 minims (1 ml.)	Box of 6 ,, 12	**3 6** **6 6**
1/6 grain (0·01 gm.) in 15 minims (1 ml.)	Box of 6 ,, 12	**4 0** **7 6**
D. An anodyne narcotic resembling morphine in its action but less constipating. Given hypodermically, it affords considerable relief in cardiac disease accompanied by pain and anxiety. Useful as a respiratory sedative.		

MEDICAMENT	Packing	List Price
		s. d.
DISTILLED WATER **(Aqua pro Injectione B.P.)**		
1 ml. ampoules	Box of 6	2 6
	,, 12	4 6
	,, 100	31 6
2 ml. ampoules	Box of 6	2 6
	,, 12	4 6
	,, 100	31 6
5 ml. ampoules	Box of 6	3 0
	,, 12	5 3
	,, 100	37 0
10 ml. ampoules	Box of 6	4 6
	,, 12	8 0
	,, 100	56 0
20 ml. ampoules	Box of 6	7 6
	,, 12	14 0
	,, 100	98 0
100 ml. ampoules	each	3 3
For the preparation of parenteral injections. A convenient and reliable method of dissolving hypodermic tablets. Essential as a solvent for the preparation of solutions for injection such as the arsenicals, intravenous barbiturates, penicillin, streptomycin and the soluble sulphonamides. The efficiency of Penicillin can easily be reduced or even destroyed by impurities that occur in distilled water that is not neutral and pyrogen-free. *See also Bulk Injection Solutions in rubber-capped Bottles.*		
EMETINE HYDROCHLORIDE **(Injectio Emetinæ Hydrochloridi B.P.)**		
1/2 grain (0·03 gm.) in 15 minims (1 ml.)	Box of 6	8 0
	,, 12	15 0
	,, 100	105 0
1 grain (0·06 gm.) in 15 minims (1 ml.)	Box of 6	13 6
	,, 12	26 0
	,, 100	182 0
S.I. Administered subcutaneously, or preferably, intramuscularly in the treatment of amœbic dysentery. The injections are often employed in conjunction with arsenic and bismuth orally and more recently with "Savorquin" (diiodohydroxyquinoline). Also successfully employed in bilharziasis, Guinea worm and oriental sore.		

MEDICAMENT	Packing	List Price
		s. d.
EPHEDRINE HYDROCHLORIDE		
½ grain (0·03 gm.) in 15 minims (1 ml.)	Box of 6	3 3
	,, 12	6 0
	,, 100	39 0
1 grain (0·06 gm.) in 15 minims (1 ml.)	Box of 6	3 6
	,, 12	6 6
	,, 100	42 3
P.I.		
Similar physiological action to Adrenaline but less potent and more prolonged. By hypodermic injection to relax bronchial spasm in asthma, in cases of low blood-pressure, in collapse following hæmorrhage or spinal anæsthesia, etc., and to avert syncopal attacks in Adams-Stokes disease and sleep in narcolepsy.		
ERGOMETRINE MALEATE (Injectio Ergometrinæ Maleatis B.P.)		
1/120 grain (0·5 mg.) in 15 minims (1 ml.) for intramuscular injection	Box of 6	5 0
	,, 12	9 6
	,, 100	66 6
1/400 grain (0·125 mg.) in 15 minims (1 ml.) for intravenous injection	Box of 6	3 3
	,, 12	6 0
S.I.		
A powerful and rapidly-acting oxytocic. Intramuscularly or intravenously, Ergometrine is a prompt means of ensuring a tonic contraction of the uterus in post-partum hæmorrhage, in the uterine inertia which may follow Cæsarean section, and in the treatment of uterine hæmorrhage associated with tumours or the menopause. Employed with advantage both as a prophylactic and for treatment, and as a routine instead of pituitary (posterior lobe) extract. A special brochure, giving fuller details, is available on request.		
Ergonovine Maleate Injection *vide* **ERGOMETRINE**		

MEDICAMENT	Packing	List Price
		s. d.
Ethanolamine Oleate *vide* **" MONETHAN "**		
FERRUGINOUS COMPOUND 1 ml. ampoules contg.: Iron Cacodylate 1/6 grain (0·01 gm.) Sodium Glycerophosphate 1½ grains (0·1 gm.) Strychnine Cacodylate 1/120 grain (0·0005 gm.) **S.I.** A useful preparation in secondary anæmias and nervous debility. Can accompany liver therapy with advantage. A course of twelve daily intramuscular injections is recommended. Painless on injection.	Box of 6 ,, 12 ,, 100	**3 0** **5 6** **38 6**
Glucose *vide* **DEXTROSE**		
Glycerophosphate Compound *vide* **FERRUGINOUS COMPOUND**		
Guaiacol, Camphor and Iodine *vide* **CAMPHOR**		
GUM SALINE CONCENTRATED Contents of one ampoule produces 250 ml. normal solution. Has the same colloidal and saline osmotic tension as the blood. Valuable in restoring and maintaining blood volume and blood pressure after severe hæmorrhage. A useful "stand by" when a blood transfusion is impracticable.	each	**4 0**
Heroin Hydrochloride *vide* **DIAMORPHINE**		

MEDICAMENT	Packing	List Price
		s. d.
HEXAMINE 40%		
5 ml. ampoules	Box of 6	4 3
	,, 12	8 0
A urinary antiseptic inhibiting the growth of organisms in the urinary tract. Employed intravenously, Hexamine is effective in reducing urinary infection due to B.typhosus and B.coli and is of value for pyelitis, cystitis and urethritis.		
HISTAMINE ACID PHOSPHATE (Injectio Histaminæ Phosphatis Acidi B.P.)		
1/60 grain (1 mg.) in 15 minims (1 ml.)	Box of 6	4 0
	,, 12	7 6
A direct stimulant of plain muscle. Useful in chronic rheumatoid arthritis, osteoarthritis and allied conditions and in pruritus associated with urticaria. Employed in the differential diagnosis of pernicious and secondary anæmias and in the diagnosis of circulatory disturbances such as Raynaud's disease.		
Hydrarg Salicylarsonate *vide* **MERCURY**		
HYOSCINE HYDROBROMIDE (Injectio Hyoscinæ Hydrobromidi B.P.)		
1/160 grain (0·4 mg.) in 15 minims (1 ml.)	Box of 6	3 3
	,, 12	6 0
	,, 100	42 0
1/100 grain (0·6 mg.) in 15 minims (1 ml.)	Box of 6	3 3
	,, 12	6 0
P.I.	,, 100	42 0
A peripheral parasympathetic depressant. Produces depression of the cerebral motor area. It also impairs memory and is therefore a useful hypnotic. Hypodermically in insomnia, maniacal excitement, delirium, delirium tremens, and in treating the alcohol or morphine habit. In chorea and paralysis agitans it is valuable in reducing movement and tremors, whilst in post-encephalitic Parkinsonism, Hyoscine is employed to relieve rigidity and muscular hypertonus, to reduce salivation and to treat ocular crises.		

MEDICAMENT	Packing	List Price
		s. d.
Hyoscine and Morphine *vide* **MORPHINE and HYOSCINE**		
Hypertonic Saline *vide* **SODIUM CHLORIDE**		
INDIGO CARMINE 0·4%		
5 ml. ampoules	Box of 6	5 0
	,, 12	9 6
10 ml. ampoules	Box of 6	7 6
	,, 12	14 6
A diagnostic dye. Injected intramuscularly or intravenously as a test of renal function. Rapidly excreted by the kidneys, cystoscopic examination of the ureteral openings reveals the time of excretion of the blue colour ; its depth in the urine indicates the degree of permeability.		
Iron and Arsenic *vide* **FERRUGINOUS COMPOUND**		
LEPTAZOL 10% **(Injectio Leptazoli B.P.)**		
1 ml. ampoules	Box of 6	3 3
	,, 12	6 0
	,, 100	42 0
For use as an analeptic in barbiturate and opiate poisoning; as a respiratory and circulatory stimulant in anæsthetic emergencies; in asphyxia due to gas poisoning and in asphyxia neonatorum; in circulatory collapse due to central vasomotor depression. By subcutaneous, intramuscular or intravenous injection, repeated as often as indicated. *see also* "Cardiazol" in Medical Price List.		

MEDICAMENT	Packing	List Price
		s. d.
LITHOCAINE (Martindale) brand **Lithium Salicylate with Procaine**		
2 ml. ampoules	Box of 6	5 0
	,, 100	66 0
3 ml. ampoules	Box of 6	6 0
	,, 100	80 0
5 ml. ampoules	Box of 6	8 0
	,, 100	108 0
P.I.		
Localized injection of a solution which causes an inflammatory sclerosis of the vein. Lithocaine is specially recommended for use in large varices and by those skilled in varicose vein technique. Also employed in the "Twin Injection" therapy. Special brochure available on application.		
LOBELINE HYDROCHLORIDE **(Injectio Lobelinæ Hydrochloridi N.F.)**		
1/20 grain (0·003 gm.) in 15 minims (1 ml.)	Box of 6	8 0
	,, 12	15 6
	,, 100	108 6
3/20 grain (0·01 gm.) in 15 minims (1 ml.)	Box of 3	9 6
	,, 6	18 0
S.I.		
As a drug influencing the respiratory system, it is a powerful stimulant of the medullary centre of respiration and increases its sensitiveness to carbon dioxide. Employed in asphyxia neonatorum, respiratory failure during anæsthesia, narcotic and gas poisoning, and respiratory depression in pneumonia and other infectious diseases. Subcutaneously or intramuscularly, intravenously in extreme emergency.		
MAGNESIUM SULPHATE 50%		
2 ml. ampoules	Box of 6	3 6
	,, 12	6 6
When injected, the magnesium ion depresses the excitability of the whole nervous system. Subcutaneous or intramuscular injections given as sedatives in maniacal excitement, in early tetanus, and as a preliminary to general anæsthesia. Also advocated in chorea, eclampsia and epilepsy.		

MEDICAMENT	Packing	List Price
		s. d.
MANGANESE BUTYRATE 1%		
1·5 ml. ampoules	Box of 6	5 0
	,, 12	9 6
Still held by many to be useful in boils, carbuncles and other staphylococcal infections. Intramuscular injections are given at intervals of five days, with a maximum of three injections.		
MERCURY SALICYLARSONATE		
1 grain (0·06 gm.) in 30 minims (2 ml.)	Box of 6	4 6
	,, 12	8 6
S.I.		
A specific against the parasites of syphilis and certain other diseases. Mercury Salicylarsonate is a combination of disodium methylarsonate and mercury salicylate. 2 ml. of the injection contains 1 grain (0·06 gm.) of the compound. In syphilis, parasyphilis and psoriasis the dose is 2 ml. by daily intramuscular injections; for intensive treatment 4-8 ml. every two or three days. Intravenously 4-10 ml. every two or three days. Treatment is suspended for ten days when a total of 1·5 gm. is reached. Also suggested in general paralysis and malaria.		
MERSALYL		
(Injectio Mersalyli B.P.)		
1 ml. ampoules	Box of 6	4 0
	,, 12	7 6
	,, 100	45 0
2 ml. ampoules	Box of 6	6 0
	,, 12	11 3
S.I.	,, 100	63 0
A powerful mercurial diuretic. Most effective in relieving dropsy of cardiac origin, less effective in hepatic œdemas. Being a renal irritant it should be used with caution in nephritis œdemas. Contraindicated in severe renal impairment. By intramuscular or preferably by intravenous injection. An initial "tolerance" test dose of $\frac{1}{2}$ ml. is followed by doses of 1-2 ml. every three to five days. The diuretic effect is enhanced by giving Ammonium Chloride (as "Stearettes") prior to injection treatment. A special brochure, giving fuller details, is available on request.		

MEDICAMENT	Packing	List Price
		s. d.
METHYLENE BLUE 5%		
1 ml. ampoules	Box of 6	4 0
	,, 12	7 6
Mainly employed as a test for renal function. When 1 ml. (5% solution) is injected intramuscularly, the urine becomes green in fifteen to thirty minutes and the colour deepens up to four hours. By oxidation, it relieves Sulphonamide cyanosis rapidly when given intravenously in doses of 10-20 ml. of a 1% solution. Also useful in carbon monoxide and cyanide poisoning.		
"MONETHAN" brand (Injectio Aethanolaminæ Oleatis B.P.)		
2 ml. ampoules	Box of 6	4 0
	,, 12	7 0
	,, 100	45 0
For the injection treatment of varicose veins. A useful "general purpose" sclerosant having the advantage of absence of pain and no perivenous reaction if the fluid escapes. Individual dosage but the average is 1-2 ml. with from two to three injections for each treatment. Total dose should not exceed 6 ml., the injections being repeated every five to seven days until desired results are obtained. Has now largely replaced the use of Sodium Morrhuate. *See also Bulk Injection Solutions in rubber-capped Bottles.*		
MORPHINE SULPHATE (Injectio Morphinæ Sulphatis B.P.)		
1/6 grain (0·01 gm.) in 15 minims (1 ml.)	Box of 6	3 3
	,, 12	6 0
	,, 100	36 0
1/4 grain (0·016 gm.) in 15 minims (1 ml.)	Box of 6	3 3
	,, 12	6 0
	,, 100	36 0
1/3 grain (0·02 gm.) in 15 minims (1 ml.)	Box of 6	3 6
	,, 12	6 6
	,, 100	39 0
1/2 grain (0·03 gm.) in 15 minims (1 ml.)	Box of 6	4 0
	,, 12	7 6
D.	,, 100	45 0
A pain-relieving or anodyne narcotic. The uses for morphine are too well-known to need description. "Sterules" are the most convenient form in which to carry this drug for "the emergency." In patients who suffer from the side-effects of Morphine, "Dilaudid" (Knoll) is suggested as an alternative.		

MEDICAMENT	Packing	List Price
		s. d.
MORPHINE and ATROPINE **(Injectio Morphinæ et Atropinæ B.P.)** 1 ml. ampoules contg.: Morphine Sulphate 1/6 grain (0·01 gm.) Atropine Sulphate 1/100 grain (0·0006 gm.) **D.** As a hypodermic injection half an hour before the induction of general anæsthesia. The object of the Atropine is to prevent reflex inhibition of the heart through the vagus and to diminish salivary and bronchial secretion and to counteract depression of the respiratory centre; while morphine serves to depress the sensory area of the cortex and induce somnolence.	Box of 6 ,, 12	**3 6** **6 6**
MORPHINE and HYOSCINE **(Injectio Morphinæ et Hyoscinæ N.F.)** 1 ml. ampoules contg.: Morphine Sulphate 1/6 grain (0·01 gm.) Hyoscine Hydrobromide 1/150 grain (0·00045 gm.) **D.** Morphine allays anxiety and pain. Hyoscine reduces movement and reflexes. Employed as a narcotic prior to operations. Still advocated by some in the "Twilight Sleep" method of inducing childbirth, given at the end of the first stage of labour.	Box of 6 ,, 12 ,, 100	**4 3** **8 0**
NEURASTHENIC COMPOUND 1 ml. ampoules contg.: Sodium Glycerophosphate 1½ grains (0·1 gm.) Strychnine Cacodylate 1/64 grain (0·001 gm.) **S.I.** In neurasthenia and nervous debility a course of twelve daily intramuscular injections is usually given.	Box of 6 ,, 12 ,, 100	**3 6** **5 6** **38 6**

MEDICAMENT	Packing	List Price
		s. d.
NIKETHAMIDE 25% **(Injectio Nikethamidi B.P.)**		
2 ml. ampoules	Box of 6 ,, 12 ,, 100	**4 0** **7 6** **52 6**
5 ml. ampoules	Box of 6 ,, 12	**8 6** **16 6**
For use as a respiratory stimulant in barbiturate, opiate and alcoholic poisoning; in paroxysmal dyspnœa and other respiratory effects of cardiac failure, etc.		
NORMAL SALINE **(Injectio Sodii Chloridi B.P.)**		
1 ml. ampoules	Box of 6 ,, 12 ,, 100	**2 6** **4 6** **31 6**
2 ml. ampoules	Box of 6 ,, 12 ,, 100	**2 6** **4 6** **31 6**
5 ml. ampoules	Box of 6 ,, 12 ,, 100	**3 0** **5 3** **37 0**
10 ml. ampoules	Box of 6 ,, 12 ,, 100	**4 6** **8 0** **56 0**
100 ml. ampoules	each	**3 3**
Preferred by some as a solvent of drugs for the preparation of an injection. A convenient and reliable form of saline for preparing solutions of Penicillin for topical application. *See also Bulk Injection Solutions in rubber-capped bottles.*		

MEDICAMENT	Packing	List Price
		s. d.
"NOVOCAIN" Brand Procaine		
1% Solution in Normal Saline		
1 ml. ampoules	Box of 6	3 0
	,, 12	5 6
2 ml. ampoules	Box of 6	3 0
	,, 12	5 6
5 ml. ampoules	Box of 6	5 0
	,, 12	9 6
10 ml. ampoules	Box of 6	8 0
	,, 12	15 6
2% Solution in Normal Saline		
1 ml. ampoules	Box of 6	3 6
	,, 12	6 6
2 ml. ampoules	Box of 6	3 6
	,, 12	6 6
5 ml. ampoules	Box of 6	6 0
	,, 12	11 6
P.I.		
"NOVOCAINE" ½% in Ringer's Solution		
10 ml. ampoules	Box of 6	8 0
	,, 12	15 6
P.I.		
Novocain is a powerful local anæsthetic for hypodermic injection. Much less toxic than Cocaine with an equal though less prolonged anæsthetic action.		
See also Bulk Injection Solutions in rubber-capped bottles.		
OUABAIN **(Injectio Ouabani B.P.)**		
1/240 grain (0·25 mg.) in 15 minims (1 ml.)	Box of 6	4 6
	,, 12	8 6
S.I.		
A cardiac glycoside more active than strophanthin. Less apt to cumulative effects than digitalis. For use as an emergency measure in severe congestive heart failure and in rapid auricular fibrillation with marked decomposition. By intravenous injection.		

MEDICAMENT	Packing	List Price
		s. d.
PAPAVERETUM **(Injectio Papavereti N.F.)** 1 ml. ampoules **D.** Each ml. is equivalent to approximately 3/20 grain Anhydrous Morphine. Papaveretum is a preparation of the total alkaloids of opium adjusted to contain 50% anhydrous morphine. May be used whenever morphine is indicated. Better tolerated and less toxic.	Box of 6 ,, 12 ,, 100	3 0 5 6 38 6
PAPAVERINE SULPHATE 2/3 grain (0·04 gm.) in 15 minims (1 ml.) **S.I.** An effective smooth muscle relaxant, particularly in spastic conditions of the blood vessels gastro-intestinal tract, bronchi, and in renal and biliary colic. Subcutaneously in doses of ½ to 1½ grains (0·03—0·08 gm.) Given intravenously, ¼ to ⅜ grain (0·016—0·04 gm.), after peripheral or pulmonary arterial embolism.	Box of 6 ,, 12 ,, 100	4 6 8 6 59 6
PARALDEHYDE **(Injectio Paraldehydi N.F.)** 10 ml. ampoules Paraldehyde has a hypnotic action similar to that of chloral hydrate. Useful for the relief of insomnia without pain. Frequently employed in mental conditions.	Box of 6	12 0
Pentamethylenetetrazol *vide* **LEPTAZOL**		

MEDICAMENT	Packing	List Price
		s. d.
PEPTONE SOLUTION		
For intramuscular injection:		
$7\frac{1}{2}\%$		
10 graded doses		7 6
6 continuation doses		6 6
For intravenous injection:		
5%		
10 graded doses		7 6
6 continuation doses		6 6
Non-specific protein therapy. Peptone "Sterules" are employed for non-specific densitization in asthma, hay fever, angioneurotic œdema, urticaria and cyclic vomiting; in short, in such conditions as exhibit an anaphylactic character or sensitization. Treatment consists of a course of ten intramuscular or intravenous injections, given in increasing doses, every fourth or fifth day. A special brochure is available on application.		
PHENOBARBITONE SODIUM **(Injectio Phenobarbitoni Sodii B.P.)**		
3 grain (200 mg.) dry-filled containers with 15 minim (1 ml.) ampoules of distilled water, solution to be prepared immediately before use.	Box of 6 ,, 50	6 6 45 0
S.4.		
Phenobarbitone Soluble, a powerful hypnotic and sedative, is one of the barbituric acid series of organic hypnotics. Administered parenterally in the more urgent cases of epilepsy, chorea, eclampsia, status epilepticus, tetanus etc. Given subcutaneously, intramuscularly or intravenously.		

MEDICAMENT	Packing	List Price
		s. d.
PHENOL IN OIL 5%		
1 ml. ampoules	Box of 6	4 0
	,, 12	7 6
2 ml. ampoules	Box of 6	4 0
	,, 12	7 6
5 ml. ampoules	Box of 6	5 0
	,, 12	9 6
As a sclerosant in the injection treatment of hæmorrhoids. Inject 1-2 ml. under the mucous membrane of each pile ; repeated at intervals of five to seven days. In the submucous injection treatment of rectal prolapse 2-3 ml. is required, four or five injections being given at weekly intervals. *See also Bulk Injection Solutions in rubber-capped bottles.*		
PHENOLSULPHONEPHTHALEIN **(Phenol Red)**		
6 mg. in 1 ml.	Box of 6	4 0
	,, 12	7 6
A diagnostic dye employed as a test for permeability of the kidney. Give 300 to 400 ml. of water half an hour prior to test. Empty the bladder with a catheter and give 1 ml. of the dye intramuscularly, or preferably intravenously. Urine is collected in test tubes containing a few drops of caustic potash solution. Normally the red colour appears in 5-10 minutes, is at its maximum in 15-20 minutes and all the dye is excreted in four hours. There is reason to suspect dysfunction when any of these times are increased.		
Physiological Solution of Sodium Chloride *vide* **NORMAL SALINE**		

MEDICAMENT	Packing	List Price
		s. d.
PICROTOXIN **(Injectio Picrotoxini B.P.)** 1/20 grain (3 mg.) in 15 minims (1 ml.) **S.I.** A powerful analeptic drug, injected intravenously to stimulate respiration in barbiturate poisoning. Best given in fractional doses of 1 to 12 mg. Owing to its rapid excretion, injections of Picrotoxin need to be repeated at frequent intervals. **Treatment of Barbiturate Poisoning with Picrotoxin.** Picrotoxin solution contains 3 mg. of picrotoxin per ml. Treatment should commence with a small test dose of 1-3 mg. according to the degree of coma present. If there is no improvement, judged by muscular twitching or awakening, further intravenous injections are repeated at intervals of 15 minutes, the dose being gradually increased. A single dose of 12 mg. (4 ml.) should be regarded as a maximum. In the event of overdosage with Picrotoxin (convulsions) a suitable short-acting barbiturate should be given intravenously. Such an antidote should always be available. *See also Bulk Injection Solutions in rubber-capped bottles.*	Box of 6 ,, 12 ,, 100	**3 6** **6 6** **45 6**
Procaine *vide* "**NOVOCAIN**"		
QUININE DIHYDROCHLORIDE **(Injectio Quininæ Dihydrochloridi B.P.)** 5 grains (0·3 gm.) in 75 minims (5 ml.) A specific in the treatment of malaria. Deep intramuscular or intravenous injections, suitably diluted. Injections should be given slowly, with the strictest possible aseptic precautions, and care taken to ensure that the solution does not infiltrate the walls of the vein or the subcutaneous tissue.	Box of 6 ,, 12 ,, 100	**4 0** **7 6** **52 6**

MEDICAMENT	Packing	List Price
		s. d.
QUINONE IODOBISMUTHATE 2⅜ grains (0·17 gm.) in 30 minims (2 ml.) A suspension in oil, its action being less rapid and more prolonged than that of other bismuth preparations. It is especially indicated in cardiovascular and neurosyphilis. By intramuscular or deep subcutaneous injections once or twice weekly, for a course of 15-24 injections.	Box of 6 ,, 12	5 0 9 6
QUININE URETHANE **(Injectio Quininæ et Urethani B.P.)** 2 ml. ampoules Intravenously as a sclerosing agent in the injection treatment of varicose veins. Injection of ¼ to ½ ml. to test for possible personal idiosyncrasy (cinchonism). Subsequent injections of ½ to 1 ml. with a total of 2-3 ml. at one sitting. Often employed in the "Twin Injection" technique in conjunction with Lithocaine (Martindale). Details on application. *See also Bulk Injection Solutions in Rubber-capped bottles.*	Box of 6 ,, 12 ,, 100	4 0 7 6 52 6
Saline *vide* **NORMAL SALINE**		
Scopolamine *vide* **HYOSCINE**		

MEDICAMENT	Packing	List Price
		s. d.
SODIUM CACODYLATE		
½ grain (0·03 gm.) in 15 minims (1 ml.)	Box of 6	3 6
	,, 12	6 6
1 grain (0·06 gm.) in 15 minims (1 ml.)	Box of 6	3 6
	,, 12	6 6
2 grains (0·12 gm.) in 15 minims (1 ml.)	Box of 6	4 0
	,, 12	7 6
3 grains (0·2 gm.) in 15 minims (1 ml.)	Box of 6	4 6
	,, 12	8 6
S.I.		
One of the aliphatic series of organic arsenical compounds.		
Hypodermically in pernicious anæmia, malaria, chorea, psoriasis and other chronic skin affections where arsenic is of value.		
In syphilis the usual course of treatment is 1-2 grains daily for seven to ten days, intravenously.		
SODIUM CHLORIDE		
20% 10 ml. ampoules	Box of 6	7 6
30% 10 ml. ampoules	Box of 6	7 6
Intravenous injections of hypertonic Sodium Chloride solutions lower the pressure of cerebrospinal fluid, affording relief of headache associated with concussion, cerebral tumour and meningitis. Doses of 25-50 ml. of a 30% solution will remain effective from one half to two days ; injections every third day will maintain improvement. Still preferred by some in the injection treatment of varicose veins. Amounts varying from 5-10 ml. up to 30 ml. of a 20% or 30% solution are given.		

MEDICAMENT	Packing	List Price
		s. d.
SODIUM CITRATE 2·5% **(Injectio Sodii Citratis Anticoagulans B.P.)**		
50 ml. ampoules	each	3 0
100 ml. ampoules	each	3 6
SODIUM CITRATE 3·8%		
1 ml. ampoules	Box of 6	3 0
	,, 12	5 6
2 ml. ampoules	Box of 6	3 0
	,, 12	5 6
50 ml. ampoules	each	3 3
100 ml. ampoules	each	3 9
Sodium Citrate prevents the coagulation of blood and is now largely used in the technique of blood transfusion. A convenient and reliable method of citrating blood.		
See also Bulk Injection Solutions in rubber-capped bottles.		
Sodium Glycerophosphate with Strychnine *vide* **"NEURASTHENIC" Compound**		
SODIUM IODIDE		
12% 20 ml. ampoules	each	3 0
Employed as a pyelographic medium in the test for renal efficiency.		
SODIUM MORRHUATE 5%		
2 ml. ampoules	Box of 6	4 6
	,, 12	8 6
Still in favour as a sclerosing agent in the treatment of varicose veins. It is considered by the majority of operators, however, that preparations of the monoethanolamine oleate series are infinitely preferable. The potency of Sodium Morrhuate varies within wide limits and, due to unavoidable impurities, allergy is a very definite entity.		
See also Bulk Injection Solutions in rubber-capped bottles.		

MEDICAMENT	Packing	List Price
		s. d.
Sodium Phenobarbitone *vide* **PHENOBARBITONE SODIUM**		
STROPHANTHIN		
1/100 grain (0·0006 gm.) in 15 minims (1 ml.)	Box of 6 „ 12	4 0 7 6
S.I. A cardiac tonic resembling Digitalis in its action but less irritant, more readily destroyed in the stomach, more rapidly absorbed and quicker in action. A better diuretic and more rapidly excreted. By intravenous or intramuscular injection in urgent cases of auricular fibrillation and cardiac failure.		
STRYCHNINE HYDROCHLORIDE **(Injectio Strychninæ Hydrochloridi B.P.)**		
1/60 grain (1 mg.) in 15 minims (1 ml.)	Box of 6 „ 12 „ 100	3 3 6 0 42 0
1/30 grain (2 mg.) in 15 minims (1 ml.)	Box of 6 „ 12 „ 100	3 3 6 0 42 0
1/16 grain (4 mg.) in 15 minims (1 ml.)	Box of 6 „ 12 „ 100	3 3 6 0 42 0
P.I. As a stimulant to the central nervous system it has been widely employed in most forms of paralysis unaccompanied by rigidity or spasm. Hypodermic injections have proved useful in progressive muscular atrophy and anterior poliomyelitis. As a stimulant to the respiratory centre and its related cough centre, Strychnine is employed in bronchitis, emphysema and pneumonia to increase the vigour of cough and the respiratory movements. In respiratory failure during anæsthesia, narcotic and barbiturate poisoning and surgical shock, Strychnine hypodermically is often of considerable value in maintaining respiration over the critical period.		

MEDICAMENT	Packing	List Price
		s. d.
Theophylline with Ethylenediamine *vide* **AMINOPHYLLINE**		
Thiosinamine Compound (Thiosinamine et Sod. Salicyl.) *vide* **"CICATRICINE"**		
Urotropin *vide* **HEXAMINE**		
Water *vide* **DISTILLED WATER**		

BULK INJECTION SOLUTIONS

(MARTINDALE)

In Rubber-capped Bottles

SPECIAL NOTE:

Solutions in rubber-capped bottles contain 0·5% Phenol as a bacteriostatic agent, and should not be employed for injections of large volume. In such cases "Sterule" brand Sterilized Solutions in Ampoules should be used.

MEDICAMENT		List Price
		s. d.
ADRENALINE CHLORIDE B.P. '32		
30 ml. bottles	Each	4 6
P.I.		
BENZYL SALICYLATE COMPOUND (Laughton Scott)		
60 ml. bottles	Each	7 6 (P.T. 1/8 Extra)
For further details see p. 6.		
DEXTROSE, GLYCERIN and PHENOL (P_2G Sclerosing Solution)		
30 ml. bottles	Each	4 0
60 ml. bottles	Each	7 6
For further details see p.11.		
Distilled Water *vide* **"STERILAQUA"**		
"MONETHAN" brand Monoethanolamine Oleate		
15 ml. bottles	Each	3 0
For further details see p. 19.		

MEDICAMENT		List Price
		s. d.
MORPHINE SULPHATE		
1/4 grain (0·016 gm.) in 1 ml. 30 ml. bottles	Each	4 6
1/2 grain (0·03 gm.) in 1 ml. 30 ml. bottles	Each	5 6
D.		
NORMAL SALINE		
30 ml. bottles	Each	2 6
60 ml. bottles	,,	3 6
"NOVOCAIN" brand Procaine		
0·5% 30 ml. bottles	Each	3 0
1% 30 ml. bottles	,,	3 6
1% 60 ml. bottles	,,	4 6
2% 30 ml. bottles	,,	4 6
2% 60 ml. bottles	,,	5 6
3% 30 ml. bottles	,,	5 6
5% 30 ml. bottles	,,	7 6
P.I.		
PHENOL IN OIL 5%		
30 ml. bottles	Each	4 6
For further details see p. 25.		
PICROTOXIN		
1/20 grain (3 mg.) in 15 minims (1 ml.)		
20 ml. bottles	Each	4 6
S.I.		
For further details see p. 26.		

MEDICAMENT		List Price
		s. d.
PROCAINE HYDROCHLORIDE		
1% 30 ml. bottles	Each	2 6
2% 30 ml. bottles	,,	3 6
P.I.		
QUININE URETHANE		
30 ml. bottles	Each	5 6
For further details see p. 27		
SODIUM CITRATE 3·8%		
30 ml. bottles	Each	3 0
60 ml. bottles	,,	4 6
SODIUM MORRHUATE 5%		
30 ml. bottles	Each	5 6
For further details see p. 29.		
" STERILAQUA " (Distilled Water)		
		2 6
30 ml. bottles	Each	3 6
60 ml. bottles	,,	
For further details see p. 12		

"Sterules" for Inhalation

MARTINDALE

BRAND

Friable Glass capsules encased in Rayon and Cotton Wool.

Directions for use:

Take the ends of a capsule between the thumb and fore-finger of each hand, crush and inhale.

MEDICAMENT	Packing	List Price
		s. d.
AMMONIA, AROMATIC		
10 minims (0·6 ml.) each	Box of 12	**3 6**
A valuable reflex general stimulant and as such is inhaled to restore consciousness, circulation and respiration in collapse or fainting from nerous or physical exhaustion, in asphyxia from drowning or narcotic poisoning as well as in weakly patients during continued fevers, acute pneumonia, bronchitis etc. A useful "standby" in the surgery for cases of faintness induced by fear of medical or dental treatment.		(P.T. 9½d. Extra)
AMYL NITRITE **(Vitrellæ Amylis Nitritis N.F.)**		
3 minims (0·2 ml.) each	Box of 12	**3 6**
5 minims (0·3 ml.) each	Box of 12	**3 6**
P.I.		
By inhalation, it is a most valuable vasodilator—it dilates the arterioles and lowers blood pressure. The chief value of Amyl Nitrite is for the relief of high blood pressure and attacks of angina pectoris. Its use is contraindicated in coronary thrombosis. Also employed in ague, spasmodic asthma, chloroform syncope, migraine, post partum hæmorrhage, hæmoptysis; to ward off attacks and to arrest the spasms of croup and whooping cough. Invaluable in threatened fainting and collapse and as a restorative following gas in dental operations.		

MEDICAMENT	Packing	List Price
		s. d.
CHLOROFORM		
10 minims (0·6 ml.) each	Box of 8	2 6
20 minims (1·2 ml.) each	Box of 8	2 6
P.I.		
Inhaled, it is both an anæsthetic and an analgesic. An inhalation of the smaller dose (10 minim capsule), rapidly soothes the sensory nerves in the bronchi and is employed to arrest spasm of the glottis and acute asthmatical spasm. For Chloroform analgesia in labour the larger doses (20 minims) are employed. A very convenient form for use by midwives.		
TRICHLORETHYLENE (Vitrellæ Trichloroethyleni N.F.)		
15 minims (1 ml.).	Box of 12	4 6
By inhalation, it induces anæsthesia without affecting the motor branches of the nerves. The main clinical value of Trichlorethylene lies in its selective activity on the trigeminal nerve, its most important application being as an analgesic for the alleviation of pain in trigeminal neuralgia (tic douloureux) and migraine. Not more than six capsules a day should be inhaled.		